

ATTORNEY DOCKET NO.
99RSS085D

PATENT
Customer ID No. 33649

In the Claims

Claims 1-24 are cancelled.

25. (Currently amended) ~~The method of claim 23 further comprising:~~ A method for providing cellular communications comprising:

determining the location of a user having a directional wireless device;

allocating call resources at each cell encircling the user;

setting up a call channel with the user;

determining whether a change in orientation of the user is occurring; and

handing over the user to an optimal cell.

26. (Previously presented) The method of claim 25 wherein determining whether the change in orientation of the user is occurring comprises monitoring the signal strength of the directional wireless device at two or more base stations.

27. (Currently amended) The method of claim 25 wherein handing over the user to [an] the optimal cell comprises handing over the user to a cell which the user is turning the directional wireless device towards.

Claim 28 (cancelled).

29. (Previously presented) The method of claim 25 wherein handing over the user to the optimal cell comprises:

transmitting a first signal from the directional wireless device to a first base station; and

receiving a second signal at the directional wireless device from a second base station.

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30. (Previously presented) The method of claim 25 wherein handing over the user to the optimal cell comprises:

transmitting new call channel data to the wireless device from a first base station;
and

changing the transmission characteristics at the directional wireless device to allow a transmitted signal from the directional wireless device to be received at a second base station

Claims 31-38 (cancelled).

39. (Previously presented) A method for providing cellular communications comprising:

determining the location of a user having a directional wireless device;
allocating call resources at one or more adjacent cells;
setting up a call channel with the user;
determining whether a change in orientation of the user is occurring; and
handing over the user to a cell from a set of cells that encircle the user and that each have allocated call resources awaiting the handoff.

40. (Previously presented) The method of claim 39 wherein setting up the call channel with the user is performed in parallel with the other steps.

41. (Currently amended) The method of claim 39 wherein determining whether the change in orientation of the user is occurring comprises monitoring [the] a signal strength of the directional wireless device at two or more base stations.

42. (Currently amended) The method of claim 39 wherein handing over the user to ~~an optimal-cell~~ to the cell from the set of cells that encircle the user and that each have allocated call resources awaiting the handoff comprises handing over the user to a cell which the user is turning the directional wireless device towards.

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43. (Currently amended) The method of claim 39 wherein handing over the user to the optimal cell to the cell from the set of cells that encircle the user and that each have allocated call resources awaiting the handoff comprises:

transmitting a first signal from the directional wireless device to a first base station; and
receiving a second signal at the directional wireless device from a second base station.

44. (Currently amended) The method of claim 39 wherein handing over the user to the optimal cell to the cell from the set of cells that encircle the user and that each have allocated call resources awaiting the handoff comprises:

transmitting new call channel data to the wireless device from a first base station; and
changing the transmission characteristics at the directional wireless device to allow a
transmitted signal from the directional wireless device to be received at a second base station.

45. (New) A method for providing cellular communications comprising:
determining the location of a user having a directional wireless device;
allocating call resources at one or more adjacent cells;
setting up a call channel with the user;
determining whether a change in orientation of the user is occurring; and
handing over the user to an optimal cell.

46. (New) The method of claim 45 wherein setting up the call channel with the user is
performed in parallel with the other steps.

47. (New) The method of claim 45 wherein determining whether the change in
orientation of the user is occurring comprises monitoring a signal strength of the directional
wireless device at two or more base stations.

48. (New) The method of claim 45 wherein handing over the user to the optimal cell
comprises handing over the user to a cell which the user is turning the directional wireless device
towards.

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49. (New) The method of claim 45 wherein handing over the user to the optimal cell comprises:

transmitting a first signal from the directional wireless device to a first base station; and
receiving a second signal at the directional wireless device from a second base station.

50. (New) The method of claim 45 wherein handing over the user to the optimal cell comprises:

transmitting new call channel data to the wireless device from a first base station; and
changing the transmission characteristics at the directional wireless device to allow a
transmitted signal from the directional wireless device to be received at a second base station.